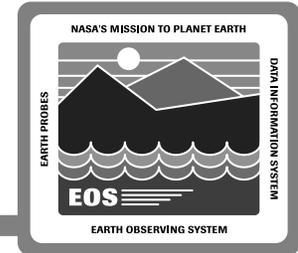


FOS/AM-1 Instrument Workshop

24 August 1995

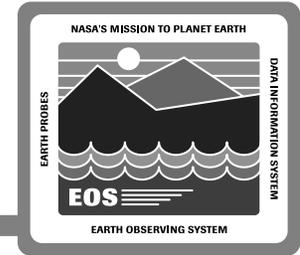
FOS/AM-1 Instrument Workshop



FOS CDR Plans
Instrument Advocate Status
IST
PDB Interface From an IST
IST Analysis Request
IST Wrap-up

Andy Miller
Jim Creegan
Andy Miller
Carol Lloyd
Kevin Robair
Andy Miller

FOS CDR Plans



Schedule

- 10/17/95 through 10/19/95

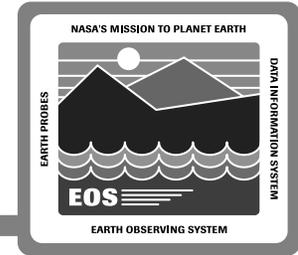
Location

- Hughes Facility, Landover, MD

CDR Topics

- Overview
 - Schedules
 - External interfaces
 - Dependencies and driving requirements
- Engineering Activities
 - Detailed design engineering
 - Architecture overview
 - Design changes since PDR

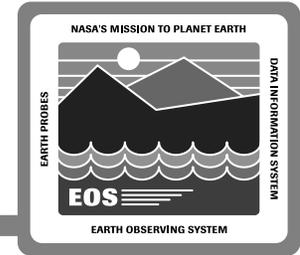
FOS CDR Plans



CDR Topics (cont'd.)

- **EOC Facilities**
- **System Architecture**
 - **Hardware design**
 - **Network design**
 - **Software Architecture**
 - **Support Architecture**
 - User Interface**
 - Data Management**
 - SCDO Services**
- **IST Capabilities**

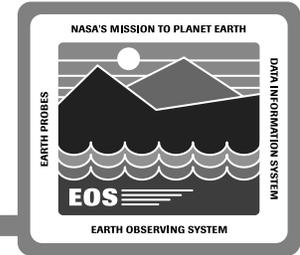
FOS CDR Plans



CDR Topics (cont'd.)

- **FOS System and Detailed Design**
 - High-level presentation of FOS activity phases
 - More detailed presentation of FOS activity phases
 - Activity phases
 - Scheduling
 - Real-Time
 - Analysis
- **Operational Scenarios**
 - Description of how the FOT will manage and operate the AM-1 spacecraft
 - Include a description of how the FOS tools will be used in the context of the operations scenario
 - Ties together detailed design with the operations scenarios

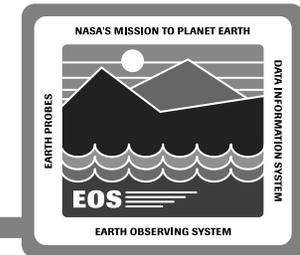
FOS CDR Plans



CDR Topics (cont'd.)

- **Integration and Test**
 - **Organization**
 - **Test environment**
 - **Test tools/data**
 - **Test plans**
- **Development Plan**
 - **Discuss plan for getting from detailed design phase to the system delivery**

FOS Documentation Plans and Status



FOS CDR Documents

- Delivered to NASA 10/3/95
- Available on EDHS (URL: <http://newsroom.hitc.com/fos/fos.html>)

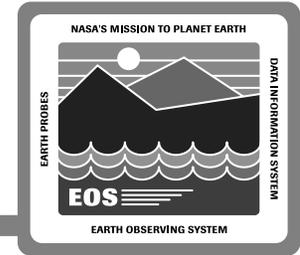
FOS Requirements Specification

FOS Design Specification

- 19 separate books
- 1 book - FOS system design
- 9 books - FOS subsystem design
- 9 books - FOS subsystem PDL

IST Capabilities Document

FOS Documentation Plans and Status



FOS Database Schema and Design

FOS Release/Development Plan

FOS Integration and Test Plan

- **Release A and B Test Plan Cases**

Interface Control Documents

- **FOS Lead**
 - **(PDB) Data Format Control Document**
 - **Software Development and Validation Facility**
 - **Spacecraft Analysis System**
 - **ASTER**
- **FOS Support**
 - **EDOS**
 - **FDF**
 - **NCC**